



Potential Hazardous Waste Site

Preliminary Assessment

GEMINI LEASING
(RITE-WAY TRUCKING)

EPA Region 5 Records Ctr.



325971



Preliminary Assessment



0311265008

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
1LD 980905350

II. SITE NAME AND LOCATION

| | | | | | |
|---|----------------|--|-------------------|-----------------------|-------------------|
| 01 SITE NAME (Legal, common, or descriptive name of site) GEMINI LEASING (RITE-WAY TRUCKING) | | 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 6201 S. EAST AVENUE | | | |
| 03 CITY HODGKINS | 04 STATE IL | 05 ZIP CODE 60525 | 06 COUNTY COOK | 07 COUNTY CODE 031 | 08 CONG DIST 5 |
| 09 COORDINATES LATITUDE 41 46 40.0 | | LONGITUDE 087 51 28.0 | | BERWYN (7.5) QUAD | |

10 DIRECTIONS TO SITE (Starting from nearest public road)

I-55 NORTH TO LAGRANGE ROAD, NORTH TO 67TH STREET, EAST TO EAST AVE, NORTH TO SITE, APPROXIMATELY 1/2 - 3/4 MILES.

III. RESPONSIBLE PARTIES

| | | | | | |
|---|----------------|---|---------------------------------------|--|--|
| 01 OWNER (If known) GEMINI LEASING (RITE-WAY TRUCKING) | | 02 STREET (Business, mailing, residential) 6201 S. EAST AVENUE | | | |
| 03 CITY HODGKINS | 04 STATE IL | 05 ZIP CODE 60525 | 06 TELEPHONE NUMBER (312) 352-9290 | | |
| 07 OPERATOR (If known and different from owner) SAME | | 08 STREET (Business, mailing, residential) | | | |
| 09 CITY | 10 STATE | 11 ZIP CODE | 12 TELEPHONE NUMBER () | | |

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

| | | | |
|--|--|---|--|
| 01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 3/31/83 MONTH DAY YEAR <input type="checkbox"/> NO | | BY (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input checked="" type="checkbox"/> F. OTHER: ILL. ATTORNEY GENERAL'S OFFICE (Specify) CONTRACTOR NAME(S): MID-AMERICA ENVIR. SERVICES | |
| 02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN | | 03 YEARS OF OPERATION BEGINNING YEAR 1984 ENDING YEAR <input type="checkbox"/> UNKNOWN | |

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

INORGANICS (CYANIDE) - (TOXIC, PERSISTANT, INCOMPATIBLE)
HEAVY METALS - (TOXIC, PERSISTANT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

GROUNDWATER (POPULATION/ENVIRONMENT)
SURFACE WATER (POPULATION/ENVIRONMENT)

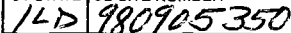
V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

| | | |
|--|--|---------------------------------------|
| 01 CONTACT HARRY MONTGOMERY | 02 OF (Agency/Organization) GEMINI LEASING REP. | 03 TELEPHONE NUMBER (312) 352-9290 |
| 04 PERSON RESPONSIBLE FOR ASSESSMENT KENNETH W. CORKILL | 05 AGENCY IEPA | 06 ORGANIZATION RPM'S |
| | 07 TELEPHONE NUMBER (217) 782-6761 | 08 DATE 2/25/87 MONTH DAY YEAR |

000500 NB

[illegible]

| CATEGORY | SUBSTANCE NAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS |
|----------|-------------------------|-----------------|--------------------|---------------------------------------|
| SLU | SLUDGE | | | |
| OLW | OILY WASTE | | | |
| SOL | SOLVENTS | | | |
| PSD | PESTICIDES | | | |
| OCC | OTHER ORGANIC CHEMICALS | | | |
| IOC | INORGANIC CHEMICALS | UNKNOWN | — | CYANIDE - FILM CHIPS IN SEMI-TRAILERS |
| ACD | ACIDS | | | |
| BAS | BASES | | | |
| MES | HEAVY METALS | UNKNOWN | — | RESIDUAL SILVER AND FILM CHIPS |

[illegible]

| CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER |
|----------|-------------------|---------------|----------|-------------------|---------------|
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |

IEPA - LAND FILES
ILL. A.G.'s OFFICE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
14D 980905350

II. HAZARDOUS CONDITIONS AND INCIDENTS

| | | |
|--|---|---|
| 01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 51,662 | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION CONTAMINATION COULD OCCUR IF RAINWATER WERE TO ENTER THE TRAILERS, MIX WITH THE FILM CHIPS, LEAK ONTO THE GROUND & INTO THE SOIL & GROUNDWATER. IT DOES NOT SEEM LIKELY HOWEVER THAT CONTAMINATION WOULD REACH THE GROUND WATER TABLE | <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION 03 AREA POTENTIALLY AFFECTED: 0 | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION PUDDLES FORM ON THE GROUND SURFACE ON-SITE AFTER RAIN EVENTS OR SNOW MELT OCCURS. LEAKAGE COULD OCCUR FROM THE TRAILERS & RUN INTO THE PUDDLES, BUT NO OFF-SITE RUN-OFF HAS BEEN NOTED. (NO INTAKES WITHIN 2 MI. DOWNSTREAM OF SITE.) | <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input type="checkbox"/> C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: _____ | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION | <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: _____ | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION | <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input type="checkbox"/> E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: _____ | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION | <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input checked="" type="checkbox"/> F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: 1/2-1 (Acres) | 02 <input checked="" type="checkbox"/> OBSERVED (DATE: 5-13-83) 04 NARRATIVE DESCRIPTION BLUE & BROWN COLORED LIQUID WAS NOTICED ON THE GROUND UNDER A NUMBER OF TRAILERS ON-SITE. VARIOUS PUDDLES HAD FORMED. THERE WAS NO EVIDENCE HOWEVER, THAT THERE WAS ANY OFF SITE MIGRATION. | <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input checked="" type="checkbox"/> G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 29,022 | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION GROUNDWATER IS USED IN 5 OF THE 11 COMMUNITIES WHICH ARE WITHIN A THREE MILE RADIUS OF THE SUBJECT SITE. THE OTHER COMMUNITIES ARE SERVED BY WATER FROM LAKE MICHIGAN. | <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input checked="" type="checkbox"/> H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: VARIOUS (2-10) | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION ANYONE WORKING NEAR THE TRAILERS HAS THE POTENTIAL OF BEING AFFECTED, BOTH COMPANY EMPLOYEES & CLEAN-UP CREWS. | <input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |
| 01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: _____ | 02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION | <input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED |



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
140 980905350

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 9-16-83) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 51,662

04 NARRATIVE DESCRIPTION

TRAILERS WERE LOCKED & SITE ENTRY WAS RESTRICTED BY CHAINLINK FENCE & GATE.
LEAKS WERE NOTED ON THE ABOVE DATE. LEAKS WERE SLOW TO MODERATE WITH
ACCUMULATION IN SOME PUDDLES OF A FEW GALLONS.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 51,662

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g. state files, sample analysis, reports)

IEPA - LAND FILES
ILL. A.G.'s OFFICE

IEPA PUBLICATION - GROUNDWATER WITHDRAWALS
FROM AQUIFERS IN ILLINOIS, 1981

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

General Information

The Potential Hazardous Waste Site, Preliminary Assessment form is used to record information necessary to make an initial evaluation of the potential risk posed by a site and to recommend further action.

The Preliminary Assessment form contains three parts:

Part 1 — Site Information and Assessment

Part 2 — Waste Information

Part 3 — Description of Hazardous Conditions and Incidents

Part 1 — Site Information and Assessment contains all of the data elements also contained on the Site Identification form required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Preliminary Assessment stage. Instructions are given below.

Part 2 — Waste Information and Part 3 — Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected, that are used in determining the priority for further action. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Site Inspection Report form where they may be used to update, add, delete, or correct information supplied on the Preliminary Assessment.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Preliminary Assessment.

General Instructions

1. Complete the Preliminary Assessment form as completely as possible.

2. Starred items (*) are required before assessment information can be added to STS. The system will not accept incomplete assessment information.

3. To add a site to STS at the Preliminary Assessment stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, and item III-13, Type of Ownership.

4. Data items carried in STS, which are identical to those on the Site Identification form and which can be added, deleted, or changed using the Preliminary Assessment form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete), or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Preliminary Assessment form. The first is to use a new Preliminary Assessment form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data carried in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

Detailed Instructions

Part 1 Site Information and Assessment

I. **Identification:** Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.

*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.

*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification form.

II. **Site Name and Location:** If Site Name and Location information require no additions or changes, these items are not required on the Preliminary Assessment form. However, completing these items will facilitate use of the completed form and records management procedures.

#II-01 Site Name: Enter the legal, common, or descriptive name of the site.

#II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW intersection I-295 & US 99; Post Rd, 5 mi W of Rt. 5.

#II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.

#II-04 Site State: Enter the two character alpha FIPS code for the state in which the site is located. The code must be the same as in item I-01.

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

#II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst will furnish this data item.)

#II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.

II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0".

II-10 Directions to Site: Starting from the nearest public road, provide narrative directions to the site.

III. Responsible Parties

- #III-01 Site Owner: Enter the name of the owner of the site. The site owner is the person, company, or federal, state, municipal or other public or private entity, who currently holds title to the property on which the site is located.
- #III-02 Site Owner Address: Enter the current complete business, residential, or mailing address at which the owner of the site can be reached.
- 03
- 04
- 05
- III-06 Site Owner Telephone Number: Enter the area code and local telephone number at which the owner of the site can be reached.
- #III-07 Site Operator: If different from Site Owner, enter the name of the operator at the site. The site operator is the person, company, or federal, state, municipal or other public or private entity, who currently, or most recently, is, or was, responsible for operations at the site.
- #III-08 Site Operator Address: Enter the current complete business, residential, or mailing address at which the operator of the site can be reached.
- 09
- 10
- 11
- III-12 Site Operator Telephone Number: Enter the area code and local telephone number at which the operator of the site can be reached.
- #III-13 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.
- III-14 Owner/Operator Notification On File: Check the appropriate box(es) to indicate that the notification required by RCRA (3001) and/or CERCLA (103c, Superfund) have been received. If received, enter the date(s) received. Check none if not received.

IV Characterization of Potential Hazard

- IV-01 On Site Inspection: Check the appropriate box to indicate that the site has been inspected or visited by EPA, a state or local official, or a contractor representative of EPA or a state or local government. Enter the date of the inspection. Check the appropriate box(es) to indicate who visited the site or performed the inspection. If the site visit was performed by a contractor, enter the name of the company.
- *IV-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.
- IV-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of waste treatment, storage, and/or disposal activities at the site. Check Unknown if the years of operation are not known.
- IV-04 Description of Substances Possibly Present, Known, or Alleged: Provide a narrative description of

hazardous, potentially hazardous, or other substances present, or claimed to be present, at the site.

- IV-05 Description of Potential Hazard to Environment and/or Population: Provide a narrative description of the potential hazard the site poses to the environment and to exposed population or wildlife. If no hazard, or potential hazard, exists, provide the basis for that determination.

V. Priority Assessment

- *V-01 Priority for Inspection: Check the appropriate box to indicate the priority for further action or inspection. If no further action is required, complete the Potential Hazardous Waste Site, Current Disposition form. The Priority for Inspection assessed must be supported by appropriate data in Part 2 – Waste Information and Part 3 – Description of Hazardous Conditions and Incidents of this form. If no hazardous conditions exist, Part 3 is not required.

VI. Information Available From

- VI-01 Contact: Enter the name of the individual who can provide information about the site.
- VI-02 Of: If appropriate, enter the name of the Public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.
- VI-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.
- VI-04 Person Responsible for Assessment: Enter the name of the individual who made the site assessment and assigned the priority rating to the site. The person responsible for the assessment may be different from the individual who prepared the form.
- VI-05 Agency: Enter the name of the Agency where the individual who made the assessment is employed.
- VI-06 Organization: Enter the name of the organization within the Agency.
- VI-07 Telephone Number: Enter the area code and local telephone number of the individual who made the assessment.
- VI-08 Date: Enter the date the assessment was made.

Part 2 Waste Information***I. Identification: Refer to Part 1—I.**

II. Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

- *II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present, or thought to be present, at the site. If Other is indicated, specify the physical state of the waste.
- *II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For

- example, do not measure the same amounts of waste as both tons and cubic yards.
- *II-03 **Waste Characteristics:** Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.
- III. **Waste Category:** General categories of waste typically found are listed here. Enter the estimated gross amount of the category of waste next to the appropriate substance name and enter the unit of measure used with the estimate.
- *III-01 **Gross Amount:** Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.
- *III-02 **Unit of Measure:** Enter the appropriate unit of measure: MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons), next to the estimate of gross amount.
- III-03 **Comments:** Comments may be used to further explain, or provide additional information, about particular waste categories.
- IV. **Hazardous Substances:** Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. This information may not be available at the Preliminary Assessment stage. Substances for which information is available are to be listed here. For each substance listed those data items marked with an "at" sign (@) must be included.
- @IV-01 **Category:** Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).
- @IV-02 **Substance Name:** Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.
- @IV-03 **CAS Number:** Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".
- @IV-04 **Storage/Disposal Method:** Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).
- IV-05 **Concentration:** Enter the concentration of the substance found in samples taken at the site.
- IV-06 **Measure of Concentration:** Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.

V. **Feedstocks**

V-01 **Feedstock Name:** If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.

V-02 **CAS Number:** Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.

VI. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 3 **Description of Hazardous Conditions and Incidents**

*I. **Identification:** Refer to Part 1—I.

II. **Hazardous Conditions and Incidents:**

II-01 **Hazards:** Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.

II-02 **Observed, Potential, or Alleged:** Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.

II-03 **Population Potentially Affected:** For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.

II-04 **Narrative Description:** Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.

II-05 **Description of Any Other Known, Potential, or Alleged Hazards:** Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.

III. **Total Population Potentially Affected:** Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site. Do not sum the numbers shown for each condition.

IV. **Comments:** Other information relevant to observed, potential, or alleged hazards may be entered here.

V. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

APPENDIX

I. FEEDSTOCKS

| CAS Number | Chemical Name | CAS Number | Chemical Name | CAS Number | Chemical Name |
|----------------|-------------------|---------------|-------------------|----------------|----------------------|
| 1. 7664-41-7 | Ammonia | 14. 1317-38-0 | Cupric Oxide | 27. 7778-50-9 | Potassium Dichromate |
| 2. 7440-36-0 | Antimony | 15. 7758-98-7 | Cupric Sulfate | 28. 1310-58-3 | Potassium Hydroxide |
| 3. 1309-64-4 | Antimony Trioxide | 16. 1317-39-1 | Cuprous Oxide | 29. 115-07-1 | Propylene |
| 4. 7440-38-2 | Arsenic | 17. 74-85-1 | Ethylene | 30. 10588-01-9 | Sodium Dichromate |
| 5. 1327-53-3 | Arsenic Trioxide | 18. 7647-01-0 | Hydrochloric Acid | 31. 1310-73-2 | Sodium Hydroxide |
| 6. 21109-95-5 | Barium Sulfide | 19. 7664-39-3 | Hydrogen Fluoride | 32. 7646-78-8 | Stannic Chloride |
| 7. 7726-95-6 | Bromine | 20. 1335-25-7 | Lead Oxide | 33. 7772-99-8 | Stannous Chloride |
| 8. 106-99-0 | Butadiene | 21. 7439-97-6 | Mercury | 34. 7664-93-9 | Sulfuric Acid |
| 9. 7440-43-9 | Cadmium | 22. 74-82-8 | Methane | 35. 108-88-3 | Toluene |
| 10. 7782-50-5 | Chlorine | 23. 91-20-3 | Napthalene | 36. 1330-20-7 | Xylene |
| 11. 12737-27-8 | Chromite | 24. 7440-02-0 | Nickel | 37. 7646-85-7 | Zinc Chloride |
| 12. 7440-47-3 | Chromium | 25. 7697-37-2 | Nitric Acid | 38. 7733-02-0 | Zinc Sulfate |
| 13. 7440-48-4 | Cobalt | 26. 7723-14-0 | Phosphorus | | |

II. HAZARDOUS SUBSTANCES

| CAS Number | Chemical Name | CAS Number | Chemical Name | CAS Number | Chemical Name |
|----------------|---------------------------|----------------|----------------------------------|------------------|---|
| 1. 75-07-0 | Acetaldehyde | 47. 1303-33-9 | Arsenic Trisulfide | 92. 142-71-2 | Cupric Acetate |
| 2. 64-19-7 | Acetic Acid | 48. 542-62-1 | Barium Cyanide | 93. 12002-03-8 | Cupric Acetoarsenite |
| 3. 108-24-7 | Acetic Anhydride | 49. 71-43-2 | Benzene | 94. 7447-39-4 | Cupric Chloride |
| 4. 75-86-5 | Acetone Cyanohydrin | 50. 65-85-0 | Benzoic Acid | 95. 3251-23-8 | Cupric Nitrate |
| 5. 506-96-7 | Acetyl Bromide | 51. 100-47-0 | Benzonitrile | 96. 5893-66-3 | Cupric Oxalate |
| 6. 75-36-5 | Acetyl Chloride | 52. 98-88-4 | Benzoyl Chloride | 97. 7758-98-7 | Cupric Sulfate |
| 7. 107-02-8 | Acrolein | 53. 100-44-7 | Benzyl Chloride | 98. 10380-29-7 | Cupric Sulfate Ammoniated |
| 8. 107-13-1 | Acrylonitrile | 54. 7440-41-7 | Beryllium | 99. 815-82-7 | Cupric Tartrate |
| 9. 124-04-9 | Adipic Acid | 55. 7787-47-5 | Beryllium Chloride | 100. 506-77-4 | Cyanogen Chloride |
| 10. 309-00-2 | Aldrin | 56. 7787-49-7 | Beryllium Fluoride | 101. 110-82-7 | Cyclohexane |
| 11. 10043-01-3 | Aluminum Sulfate | 57. 13597-99-4 | Beryllium Nitrate | 102. 94-75-7 | 2,4-D Acid |
| 12. 107-18-6 | Allyl Alcohol | 58. 123-86-4 | Butyl Acetate | 103. 94-11-1 | 2,4-D Esters |
| 13. 107-05-1 | Allyl Chloride | 59. 84-74-2 | n-Butyl Phthalate | 104. 50-29-3 | DDT |
| 14. 7664-41-7 | Ammonia | 60. 109-73-9 | Butylamine | 105. 333-41-5 | Diazinon |
| 15. 631-61-8 | Ammonium Acetate | 61. 107-92-6 | Butyric Acid | 106. 1918-00-9 | Dicamba |
| 16. 1863-63-4 | Ammonium Benzoate | 62. 543-90-8 | Cadmium Acetate | 107. 1194-65-6 | Dichlobenil |
| 17. 1066-33-7 | Ammonium Bicarbonate | 63. 7789-42-6 | Cadmium Bromide | 108. 117-80-6 | Dichlone |
| 18. 7789-09-5 | Ammonium Bichromate | 64. 10108-64-2 | Cadmium Chloride | 109. 25321-22-6 | Dichlorobenzene (all isomers) |
| 19. 1341-49-7 | Ammonium Bifluoride | 65. 7778-44-1 | Calcium Arsenate | 110. 266-38-19-7 | Dichloropropane (all isomers) |
| 20. 10192-30-0 | Ammonium Bisulfite | 66. 52740-16-6 | Calcium Arsenite | 111. 26952-23-8 | Dichloropropene (all isomers) |
| 21. 1111-78-0 | Ammonium Carbamate | 67. 75-20-7 | Calcium Carbide | 112. 8003-19-8 | Dichloropropene-Dichloropropane Mixture |
| 22. 12125-02-9 | Ammonium Chloride | 68. 13765-19-0 | Calcium Chromate | 113. 75-99-0 | 2,2-Dichloropropionic Acid |
| 23. 7788-98-9 | Ammonium Chromate | 69. 592-01-8 | Calcium Cyanide | 114. 62-73-7 | Dichlorvos |
| 24. 3012-65-5 | Ammonium Citrate, Dibasic | 70. 26264-06-2 | Calcium Dodecylbenzene Sulfonate | 115. 60-57-1 | Dieldrin |
| 25. 13826-83-0 | Ammonium Fluoborate | 71. 7778-54-3 | Calcium Hypochlorite | 116. 109-89-7 | Diethylamine |
| 26. 12125-01-8 | Ammonium Fluoride | 72. 133-06-2 | Captan | 117. 124-40-3 | Dimethylamine |
| 27. 1336-21-6 | Ammonium Hydroxide | 73. 63-25-2 | Carbaryl | 118. 25154-54-5 | Dinitrobenzene (all isomers) |
| 28. 6009-70-7 | Ammonium Oxalate | 74. 1563-66-2 | Carbofuran | 119. 51-28-5 | Dinitrophenol |
| 29. 16919-19-0 | Ammonium Silicofluoride | 75. 75-15-0 | Carbon Disulfide | 120. 25321-14-6 | Dinitrotoluene (all isomers) |
| 30. 7773-06-0 | Ammonium Sulfamate | 76. 56-23-5 | Carbon Tetrachloride | 121. 85-00-7 | Diquat |
| 31. 12135-76-1 | Ammonium Sulfide | 77. 57-74-9 | Chlordane | 122. 298-04-4 | Disulfoton |
| 32. 10196-04-0 | Ammonium Sulfite | 78. 7782-50-5 | Chlorine | 123. 330-54-1 | Diuron |
| 33. 14307-43-8 | Ammonium Tartrate | 79. 108-90-7 | Chlorobenzene | 124. 27176-87-0 | Dodecylbenzenesulfonic Acid |
| 34. 1762-95-4 | Ammonium Thiocyanate | 80. 67-66-3 | Chloroform | 125. 115-29-7 | Endosulfan (all isomers) |
| 35. 7783-18-8 | Ammonium Thiosulfate | 81. 7790-94-5 | Chlorosulfonic Acid | 126. 72-20-8 | Endrin and Metabolites |
| 36. 628-63-7 | Amyl Acetate | 82. 2921-88-2 | Chlorpyrifos | 127. 106-89-8 | Epichlorohydrin |
| 37. 62-53-3 | Aniline | 83. 1066-30-4 | Chromic Acetate | 128. 563-12-2 | Ethion |
| 38. 7647-18-9 | Antimony Pentachloride | 84. 7738-94-5 | Chromic Acid | 129. 100-41-4 | Ethyl Benzene |
| 39. 7789-61-9 | Antimony Tribromide | 85. 10101-53-8 | Chromic Sulfate | 130. 107-15-3 | Ethylenediamine |
| 40. 10025-91-9 | Antimony Trichloride | 86. 10049-05-5 | Chromous Chloride | 131. 106-93-4 | Ethylene Dibromide |
| 41. 7783-56-4 | Antimony Trifluoride | 87. 544-18-3 | Cobaltous Formate | 132. 107-06-2 | Ethylene Dichloride |
| 42. 1309-64-4 | Antimony Trioxide | 88. 14017-41-5 | Cobaltous Sulfamate | 133. 60-00-4 | EDTA |
| 43. 1303-32-8 | Arsenic Disulfide | 89. 56-72-4 | Coumaphos | 134. 1185-57-5 | Ferric Ammonium Citrate |
| 44. 1303-28-2 | Arsenic Pentoxide | 90. 1319-77-3 | Cresol | 135. 2944-67-4 | Ferric Ammonium Oxalate |
| 45. 7784-34-1 | Arsenic Trichloride | 91. 4170-30-3 | Crotonaldehyde | 136. 7705-08-0 | Ferric Chloride |
| 46. 1327-53-3 | Arsenic Trioxide | | | | |

II. HAZARDOUS SUBSTANCES

| CAS Number | Chemical Name | CAS Number | Chemical Name | CAS Number | Chemical Name |
|-----------------|--|-----------------|------------------------------------|-----------------|--------------------------------|
| 137. 7783-50-8 | Ferric Fluoride | 192. 74-89-5 | Monomethylamine | 249. 7632-00-0 | Sodium Nitrate |
| 138. 10421-48-4 | Ferric Nitrate | 193. 300-76-5 | Naled | 250. 7558-79-4 | Sodium Phosphate, Dibasic |
| 139. 10028-22-5 | Ferric Sulfate | 194. 91-20-3 | Naphthalene | 251. 7601-54-9 | Sodium Phosphate, Tribasic |
| 140. 10045-89-3 | Ferrous Ammonium Sulfate | 195. 1338-24-5 | Naphthenic Acid | 252. 10102-18-8 | Sodium Selenite |
| 141. 7758-94-3 | Ferrous Chloride | 196. 7440-02-0 | Nickel | 253. 7789-06-2 | Strontium Chromate |
| 142. 7720-78-7 | Ferrous Sulfate | 197. 15699-18-0 | Nickel Ammonium Sulfate | 254. 57-24-9 | Strychnine and Salts |
| 143. 206-44-0 | Fluoranthene | 198. 37211-05-5 | Nickel Chloride | 255. 100-420-5 | Styrene |
| 144. 50-00-0 | Formaldehyde | 199. 12054-48-7 | Nickel Hydroxide | 256. 12771-08-3 | Sulfur Monochloride |
| 145. 64-18-6 | Formic Acid | 200. 14216-75-2 | Nickel Nitrate | 257. 7664-93-9 | Sulfuric Acid |
| 146. 110-17-8 | Fumaric Acid | 201. 7786-81-4 | Nickel Sulfate | 258. 93-76-5 | 2,4,5-T Acid |
| 147. 98-01-1 | Furfural | 202. 7697-37-2 | Nitric Acid | 259. 2008-46-0 | 2,4,5-T Amines |
| 148. 86-50-0 | Guthion | 203. 98-95-3 | Nitrobenzene | 260. 93-79-8 | 2,4,5-T Esters |
| 149. 76-44-8 | Heptachlor | 204. 10102-44-0 | Nitrogen Dioxide | 261. 13560-99-1 | 2,4,5-T Salts |
| 150. 118-74-1 | Hexachlorobenzene | 205. 25154-55-6 | Nitrophenol (all isomers) | 262. 93-72-1 | 2,4,5-TP Acid |
| 151. 87-68-3 | Hexachlorobutadiene | 206. 1321-12-6 | Nitrotoluene | 263. 32534-95-5 | 2,4,5-TP Acid Esters |
| 152. 67-72-1 | Hexachloroethane | 207. 30525-89-4 | Paraformaldehyde | 264. 72-54-8 | TDE |
| 153. 70-30-4 | Hexachlorophene | 208. 56-38-2 | Parathion | 265. 95-94-3 | Tetrachlorobenzene |
| 154. 77-47-4 | Hexachlorocyclopentadiene | 209. 608-93-5 | Pentachlorobenzene | 266. 127-18-4 | Tetrachloroethane |
| 155. 7647-01-0 | Hydrochloric Acid (Hydrogen Chloride) | 210. 87-86-5 | Pentachlorophenol | 267. 78-00-2 | Tetraethyl Lead |
| 156. 7664-39-3 | Hydrofluoric Acid (Hydrogen Fluoride) | 211. 85-01-8 | Phenanthrene | 268. 107-49-3 | Tetraethyl Pyrophosphate |
| 157. 74-90-8 | Hydrogen Cyanide | 212. 108-95-2 | Phenol | 269. 7446-18-6 | Thallium (I) Sulfate |
| 158. 7783-06-4 | Hydrogen Sulfide | 213. 75-44-5 | Phosgene | 270. 108-88-3 | Toluene |
| 159. 78-79-5 | Isoprene | 214. 7664-38-2 | Phosphoric Acid | 271. 8001-35-2 | Toxaphene |
| 160. 42504-46-1 | Isopropanolamine | 215. 7723-14-0 | Phosphorus | 272. 12002-48-1 | Trichlorobenzene (all isomers) |
| | Dodecylbenzenesulfonate | 216. 10025-87-3 | Phosphorus Oxychloride | 273. 52-68-6 | Trichlorfon |
| 161. 115-32-2 | Kelthane | 217. 1314-80-3 | Phosphorus Pentasulfide | 274. 25323-89-1 | Trichloroethane (all isomers) |
| 162. 143-50-0 | Kepone | 218. 7719-12-2 | Phosphorus Trichloride | 275. 79-01-6 | Trichloroethylene |
| 163. 301-04-2 | Lead Acetate | 219. 7784-41-0 | Potassium Arsenate | 276. 25167-82-2 | Trichlorophenol (all isomers) |
| 164. 3687-31-8 | Lead Arsenate | 220. 10124-50-2 | Potassium Arsenite | 277. 27323-41-7 | Triethanolamine |
| 165. 7758-95-4 | Lead Chloride | 221. 7778-50-9 | Potassium Bichromate | | Dodecylbenzenesulfonate |
| 166. 13814-96-5 | Lead Fluoborate | 222. 7789-00-6 | Potassium Chromate | 278. 121-44-8 | Triethylamine |
| 167. 7783-46-2 | Lead Fluoride | 223. 7722-64-7 | Potassium Permanganate | 279. 75-50-3 | Trimethylamine |
| 168. 10101-63-0 | Lead Iodide | 224. 2312-35-8 | Propargite | 280. 541-09-3 | Uranyl Acetate |
| 169. 18256-98-9 | Lead Nitrate | 225. 79-09-4 | Propionic Acid | 281. 10102-06-4 | Uranyl Nitrate |
| 170. 7428-48-0 | Lead Stearate | 226. 123-62-6 | Propionic Anhydride | 282. 1314-62-1 | Vanadium Pentoxide |
| 171. 15739-80-7 | Lead Sulfate | 227. 1336-36-3 | Polychlorinated Biphenyls | 283. 27774-13-6 | Vanadyl Sulfate |
| 172. 1314-87-0 | Lead Sulfide | 228. 151-50-8 | Potassium Cyanide | 284. 108-05-4 | Vinyl Acetate |
| 173. 592-87-0 | Lead Thiocyanate | 229. 1310-58-3 | Potassium Hydroxide | 285. 75-35-4 | Vinylidene Chloride |
| 174. 58-89-9 | Lindane | 230. 75-56-9 | Propylene Oxide | 286. 1300-71-6 | Xylenol |
| 175. 14307-35-8 | Lithium Chromate | 231. 121-29-9 | Pyrethrins | 287. 557-34-6 | Zinc Acetate |
| 176. 121-75-5 | Malthion | 232. 91-22-5 | Quinoline | 288. 52628-25-8 | Zinc Ammonium Chloride |
| 177. 110-16-7 | Maleic Acid | 233. 108-46-3 | Resorcinol | 289. 1332-07-6 | Zinc Borate |
| 178. 108-31-6 | Maleic Anhydride | 234. 7446-08-4 | Selenium Oxide | 290. 7699-45-8 | Zinc Bromide |
| 179. 2032-65-7 | Mercaptodimethur | 235. 7761-88-8 | Silver Nitrate | 291. 3486-35-9 | Zinc Carbonate |
| 180. 592-04-1 | Mercuric Cyanide | 236. 7631-89-2 | Sodium Arsenate | 292. 7646-85-7 | Zinc Chloride |
| 181. 10045-94-0 | Mercuric Nitrate | 237. 7784-46-5 | Sodium Arsenite | 293. 557-21-1 | Zinc Cyanide |
| 182. 7783-35-9 | Mercuric Sulfate | 238. 10588-01-9 | Sodium Bichromate | 294. 7783-49-3 | Zinc Fluoride |
| 183. 592-85-8 | Mercuric Thiocyanate | 239. 1333-83-1 | Sodium Bifluoride | 295. 557-41-5 | Zinc Formate |
| 184. 10415-75-5 | Mercurous Nitrate | 240. 7631-90-5 | Sodium Bisulfite | 296. 7779-86-4 | Zinc Hydrosulfite |
| 185. 72-43-5 | Methoxychlor | 241. 7775-11-3 | Sodium Chromate | 297. 7779-88-6 | Zinc Nitrate |
| 186. 74-93-1 | Methyl Mercaptan | 242. 143-33-9 | Sodium Cyanide | 298. 127-82-2 | Zinc Phenolsulfonate |
| 187. 80-62-6 | Methyl Methacrylate | 243. 25155-30-0 | Sodium Dodecylbenzene Sulfonate | 299. 1314-84-7 | Zinc Phosphide |
| 188. 298-00-0 | Methyl Parathion | 244. 7681-49-4 | Sodium Fluoride | 300. 16871-71-9 | Zinc Silicofluoride |
| 189. 7786-34-7 | Mevinphos | 245. 16721-80-5 | Sodium Hydrosulfide | 301. 7733-02-0 | Zinc Sulfate |
| 190. 315-18-4 | Mexacarbate | 246. 1310-73-2 | Sodium Hydroxide | 302. 13746-89-9 | Zirconium Nitrate |
| 191. 75-04-7 | Monoethylamine | 247. 7681-52-9 | Sodium Hypochlorite | 303. 16923-95-8 | Zirconium Potassium Fluoride |
| | | 248. 124-41-4 | Sodium Methylate | 304. 14644-61-2 | Zirconium Sulfate |
| | | | | 305. 10026-11-6 | Zirconium Tetrachloride |